

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Ralph E. Gosney

GENERAL INFORMATION:

Name: Riverside Generating Company, L.L.C.
Address: 25038 Highway 23, Catlettsburg, KY 41129
Date application received: November 25, 2002 (NOx Budget), June 25, 2004 (Acid Rain), August 4, 2004 (Title V Renewal)
SIC/Source description: 4911/Fossil Fuel Electric Power Generation
EIS #: 21-127-00040
Application log number: 55354, 56625, AI# 4392
Permit number: V-04-048

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
___ Administrative	<input checked="" type="checkbox"/> Title V
___ Minor	<input type="checkbox"/> Synthetic minor
___ Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

☒ Acid rain source
☒ NOx Budget source
☐ Source subject to 112(r)
☐ Source applied for federally enforceable emissions cap
☐ Source provided terms for alternative operating scenarios
☐ Source subject to a MACT standard
☐ Source requested case-by-case 112(g) or (j) determination
☐ Application proposes new control technology
☒ Certified by responsible official
☒ Diagrams or drawings included
☐ Confidential business information (CBI) submitted in application
☐ Pollution Prevention Measures
☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Controlled Total (tpy)	Title V Potential (tpy)
CO	245	245
NO _x	245	245
PM ₁₀	198	198
PT	198	198
SO ₂	66	66
VOC	204	204
HCHO	22	22
Total HAPs	37	37

SOURCE DESCRIPTION:

An application for a renewal to the Title V Permit, V-99-051 Revision III, for the Riverside Generating Company, L.L.C. was received on August 4, 2004. A Title IV Acid Rain Permit application was received on June 25, 2004 and a nitrogen oxides (NO_x) Budget Permit application was received on November 25, 2002.

The facility is classified as a Title V major source of air pollution based on the potential to emit more than 100 tons per year (tpy) of particulate matter less than 10 micrometers (PM₁₀), carbon monoxide (CO), nitrogen oxides (NO_x), and volatile organic compounds (VOC). In addition, the facility has the potential to emit more than 10 tpy of formaldehyde (HCHO).

SOURCE PROCESS DESCRIPTION:

The source produces electricity from the combustion of natural gas. The source is operated primarily in summer months when loads are at the highest levels. There are 5 natural gas turbines for the generation of electricity, Emission Units 01 – 05. There are two natural gas-fired indirect heaters, Emission Units 06 and 07, 14.6 million British thermal units per hour (mmBtu/hr) and 10.7 mmBtu/hr, respectively, for heating the natural gas prior to entry into the turbines.

EMISSION AND OPERATING CAPS DESCRIPTION: N/A

OPERATIONAL FLEXIBILITY: N/A